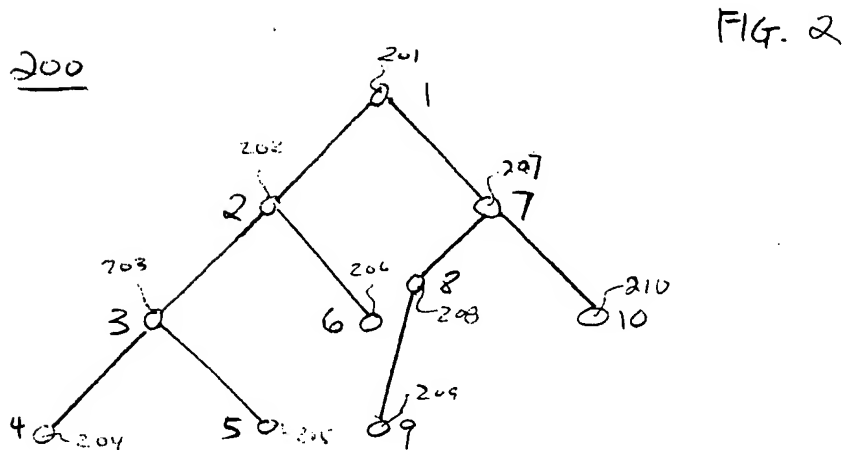


FIG. 1



300

FIG. 3

| NODE | PARENT |
|------|--------|
| 1 | 0 |
| 2 | 1 |
| 7 | 1 |
| 3 | 2 |
| 6 | 2 |
| 8 | 7 |
| 10 | 7 |
| 4 | 3 |
| 5 | 3 |
| 9 | 8 |

FIG. 3B

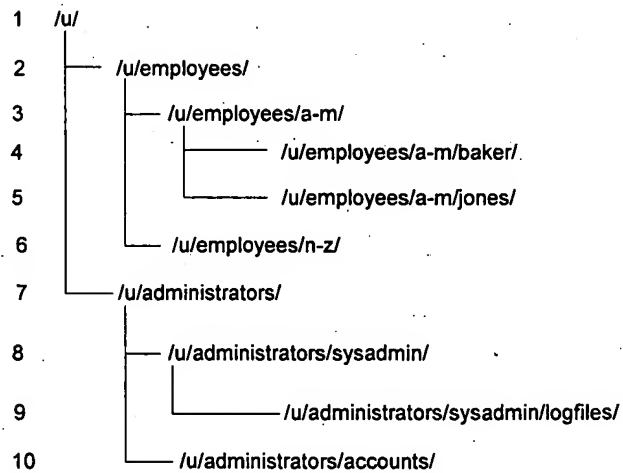
300

~302 ~304 ~352 ~354 ~356

| NODE | PARENT | SIZE | CREATION TIME | NAME |
|------|--------|--------|--------------------|--------------------|
| 1 | 0 | 4.1 GB | 3/1/2003 12:00a | /u/ |
| 2 | 1 | 812 MB | 3/1/2003 1:00a | /u/employees/ |
| 7 | 1 | 1.2 GB | 3/1/2003 1:02a | /u/administrators/ |
| 3 | 2 | 704 MB | 3/14/2003 2:14p | /u/employees/a-m/ |

FIG. 3C

370



400

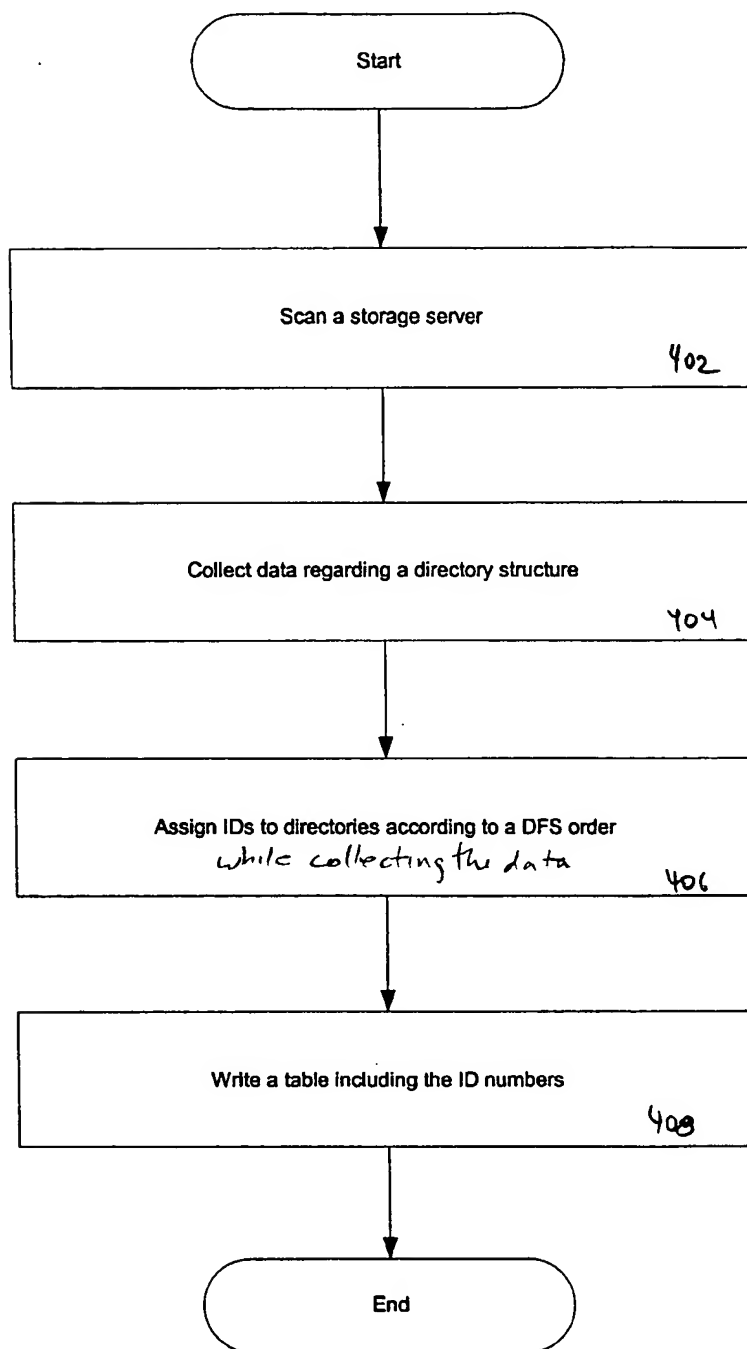


FIG. 4

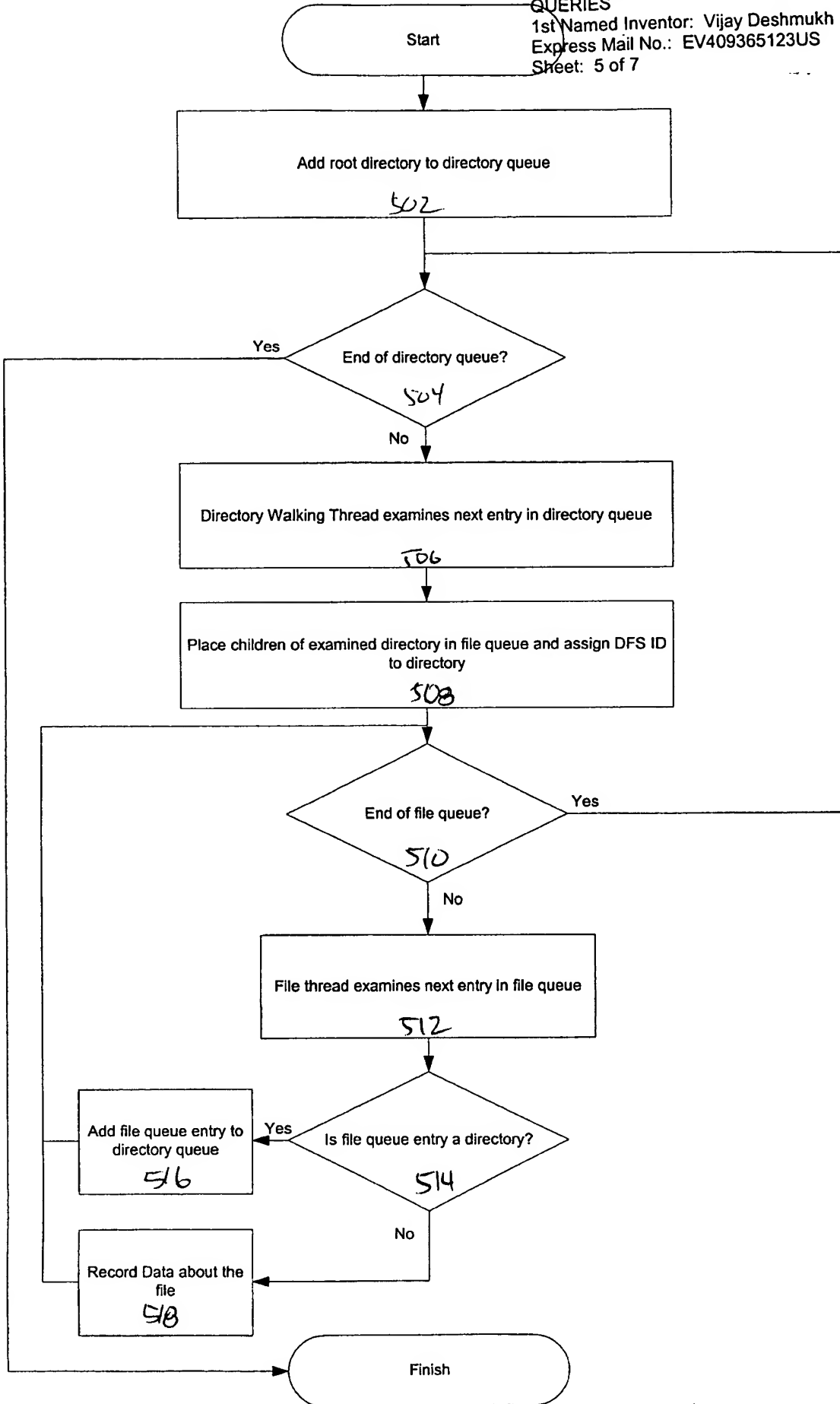


FIG. 6A

^{~602}
Directory Queue
root

^{~604}
File Queue

^{~606}
Tree

600

FIG. 6B

^{~602}
Directory Queue

^{~604}
File Queue
/u/
system.file

^{~606}
Tree

Root (0)

600

FIG. 6C

^{~602}
Directory Queue
/u/

^{~604}
File Queue

^{~606}
Tree

Root (0)

600

FIG. 6D

^{~602}
Directory Queue

^{~604}
File Queue
/employees/
/administrators/
users.cfg

^{~606}
Tree

Root (0)

600

/u/ (1)

FIG. 6E

^{~602}
Directory Queue
/employees/
/administrators/

^{~604}
File Queue

^{~606}
Tree

Root (0)

600

/u/ (1)

FIG. 6F

^{~602}
Directory Queue
/administrators/

^{~604}
File Queue
/a-m/
/n-z/
list.cfg

^{~606}
Tree

Root (0)

600

/u/ (1)

/employees/ (2)

FIG. 6G

^{~602}
Directory Queue
/a-m/
/n-z/
/administrators/

^{~604}
File Queue

^{~606}
Tree

Root (0)

600

/u/ (1)

/employees/ (2)

FIG. 6H

^{~602}
Directory Queue
/n-z/
/administrators/

^{~604}
File Queue
/baker/
/jones/
index.cfg

^{~606}
Tree

Root (0)

600

/u/ (1)

/employees/ (2)

/a-m/ (3)

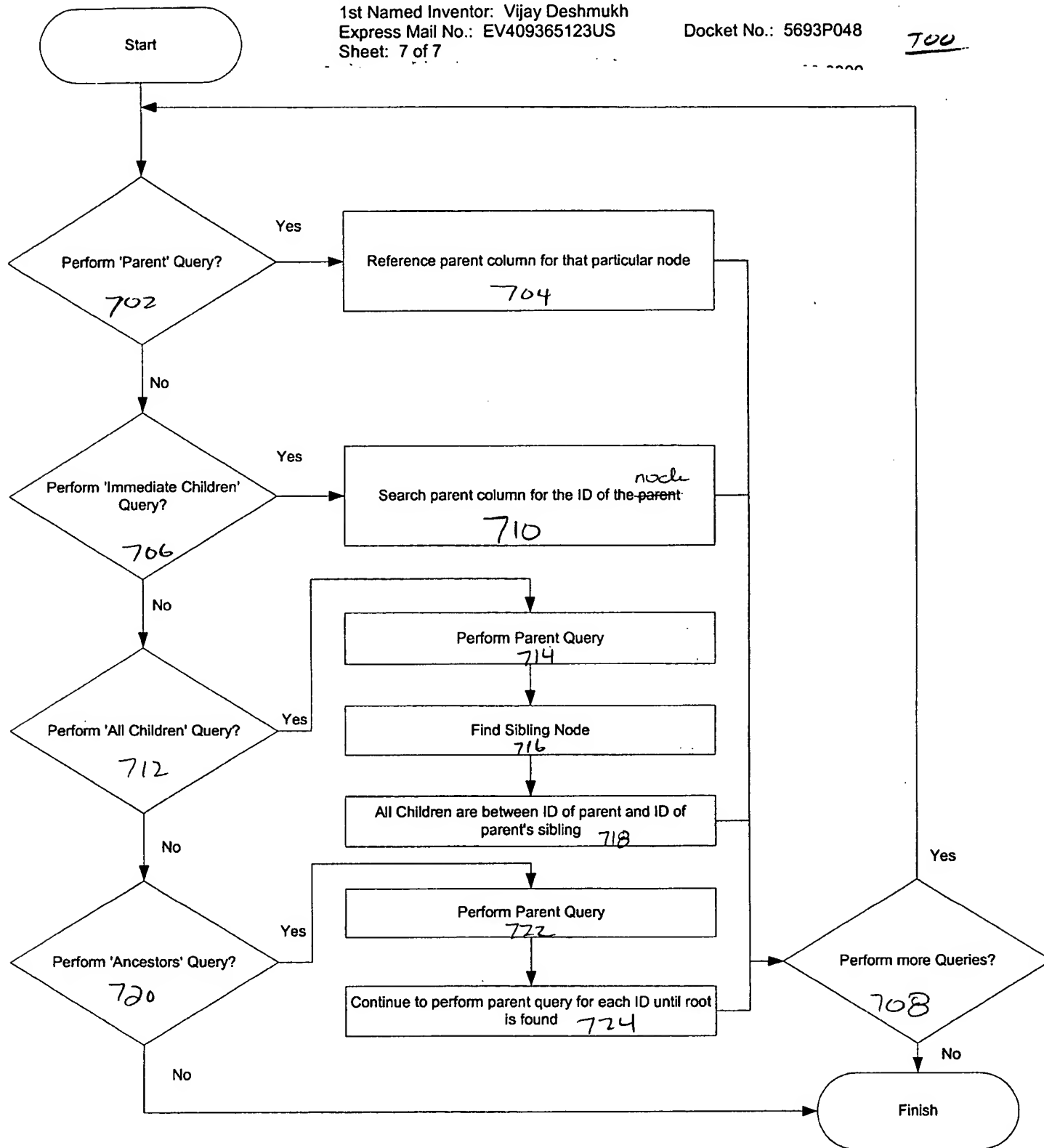


FIG. 7